

**SUPPLEMENTAL WORK AUTHORIZATION NO. 2
TO
WORK AUTHORIZATION NO. 1**

**WILLIAMSON COUNTY PROJECT:
Engineering Design Services for the repair of San Gabriel Ranch Road**

This Supplemental Work Authorization No. 2 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated April 07, 2016 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Freese and Nichols, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective April 12, 2016 (the "Work Authorization");

WHEREAS, pursuant to the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B".
- II. The maximum amount payable for services under the Work Authorization is hereby increased from \$533,524.00 to \$551,106.00.
- III. The revised Work Schedule is attached hereto as Attachment "C".
- IV. The revised Fee Schedule is attached hereto as Attachment "D".

County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Supplemental Work Authorization. Engineer understands and agrees that County's payment of amounts under this Supplemental Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under the Supplemental Work Authorization. It is further understood and agreed by Engineer that County shall have the right to terminate this Supplemental Work Authorization at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by

County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

EXECUTED this ____ day of _____, 20__.

ENGINEER:

By: _____

[Handwritten Signature]

Signature

Victor M. Vasquez

Printed Name

Principal

Title

7-14-17

Date

COUNTY:

By: _____

Signature

Dan Gattis

Printed Name

County Judge

Title

Date

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment B - Services to be Provided by Engineer

FNI will provide the following services related to the relocation of the existing waterline, in addition to the current contract scope:

1. Document Review- FNI will review as-builts for the existing 6-inch waterline as well as the proposed San Gabriel Ranch Road Dam Removal design documents.
2. Coordination with Aqua Texas – FNI will coordinate with Aqua Texas on preferences for design and installation of the waterline in San Gabriel Ranch Road including suspension from the proposed San Gabriel Ranch Road bridge.
3. 90% Design Document Preparation – FNI will produce 90% plans and specifications to be included in the San Gabriel Ranch Road Dam Removal design package. The design documents will be for buried and aerial pipe (suspended from the bridge).
4. Issued for Bid Design Document Preparation – FNI will incorporate comments from Williamson County and Aqua Texas into the 90% design documents and finalize plans and specifications for the waterline.
5. Opinion of Probable Construction Cost (OPCC) – FNI will provide an OPCC for the waterline relocation based on quantities established in the design documents.
6. Bid Phase Services – FNI will respond to questions during the bid phase related to the waterline relocation.

FNI assumes the following related to design services associated with the waterline relocation:

1. The length of waterline will not exceed 600 LF.
2. Aqua Texas will provide as-builts for the existing waterline.
3. Aqua Texas will provide standard details and specifications that they would like included in the design documents.
4. There will be no addenda provided for the waterline relocation during the bid phase.

Attachment C - Work Schedule (see attached schedule)

San Gabriel Ranch Road Dam Removal
Waterline Relocation Design Schedule

ID	Task Name	Duration	Start	Finish	Jun 11, '17	Jun 18, '17	Jun 25, '17	Jul 2, '17	Jul 9, '17	Jul 16, '17	Jul 23, '17
					S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1	Notice to Proceed	0 days	Mon 6/12/17	Mon 6/12/17	← 6/12						
2	90% Document Preparation	10 days	Mon 6/12/17	Fri 6/23/17							
3	90% Submittal	0 days	Fri 6/23/17	Fri 6/23/17							6/23
4	County and Aqua Review	10 days	Mon 6/26/17	Fri 7/7/17							
5	Issued for Bid Document Preparation	10 days	Mon 7/10/17	Fri 7/21/17							
6	Issued for Bid Submittal	0 days	Fri 7/21/17	Fri 7/21/17							7/21

Project: SGRR Waterline Schedule
Date: Fri 6/9/17

Task		External Milestone		Manual Summary Rollup	
Split		Inactive Task		Manual Summary	
Milestone		Inactive Milestone		Start-only	
Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	

Attachment D - Fee Schedule (see attached cost breakdown)

**Williamson County
Amendment No. 2 - San Gabriel Ranch Road Dam Removal - Amendment No. 2 - Waterline Relocation
5/25/2017**

Detailed Cost Breakdown

Project Fee Summary	
Basic Services	17,582
Special Services	
Total Project	17,582

Phase	Task	Project Role						Total Hours	Total Labor Effort	Total Expense Effort	Total Sub Effort
		Professional 4	Professional 4	Designer 3	Professional 4	Construction Manager 4	CAD Technician 1				
	1 Document Review	\$178	\$178	\$153	\$178	\$173	\$96	3	\$ 534	\$ 26	\$ 560
	2 Coordination with Aqua Texas	2	4					6	\$ 1,068	\$ 51	\$ 1,119
	3 90% Design Document Prep	8	24	24	3		24	65	\$ 9,002	\$ 553	\$ 9,555
	4 Issued for Bid Design Document Prep	8	12	12	2		12	34	\$ 4,768	\$ 289	\$ 5,057
	5 OPCC	1				3		4	\$ 697	\$ 34	\$ 731
	6 Bid Phase Services	3						3	\$ 534	\$ 26	\$ 560
	Total Basic Services Hours	27	36	36	3	8	36	115	\$ 16,603	\$ 979	\$ 17,582
	Total Basic Services Labor Effort	\$ 356	\$ 4,806	\$ 5,508	\$ 534	\$ 1,424	\$ 519	\$ 3,456	\$ -	\$ -	\$ -

Phase	Task	Expenses	Tech Charge	Miles	Meals	Hotel	B&W (sheet)	Color (sheet)	Binding (each)	Lg Format - Bond - B&W (sq. ft.)	Lg Format - Glossy/Mylar - B&W (sq. ft.)	Other	Other	Total Exp Effort
	1 Document Review		3											\$ 26
	2 Coordination with Aqua Texas		6											\$ 51
	3 90% Design Document Prep		65											\$ 553
	4 Issued for Bid Design Document Prep		34											\$ 289
	5 OPCC		4											\$ 34
	6 Bid Phase Services		3											\$ 26
	Total Basic Services Items		115											\$ -
	Total Basic Services Expenses Effort	\$ 978	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 979

Phase	Task	Subconsultants	[Name 1]	[Name 2]	[Name 3]	[Name 4]	Total Sub Effort
	1 Document Review						\$ -
	2 Coordination with Aqua Texas						\$ -
	3 90% Design Document Prep						\$ -
	4 Issued for Bid Design Document Prep						\$ -
	5 OPCC						\$ -
	6 Bid Phase Services						\$ -
	Total Basic Services Subconsultants Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Basic Services Subconsultants Effort	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -